**Purchase Specifications for a
61 inch High Spar Buoy**

**Overview**

This specification is for a 61 inch (1549mm) high spar buoy.

The buoy shall be rotationally-moulded using UV-stabilized, virgin polyethylene.

**1.0 General Characteristics**

The buoy shall be available in red, green, white or yellow as per IALA Recommendations.

The buoy shall have a focal plane height of 812mm (32 inches).

The buoy shall have a nominal free board of 812mm (32 inches).

The buoy shall have a nominal draft of ±736mm (±29 inches).

The buoy shall have a reserve buoyancy of 9kgs (20lbs).

The maximum mooring load of the buoy shall be 9kgs (20lbs).

The buoy shall have a submergence of 12.5kg/cm (70lbs/inches).

The buoy shall have a visual area of 0.2m² (2.2 ft²).

**2.0 Physical Characteristics**

The buoy shall be rotationally-moulded using UV-stabilized, virgin polyethylene.

The buoy shall have a 316-grade steel mooring eye.

The buoy shall have a recessed anchor point.

The buoy shall have a wall thickness of 9mm (⅜ inch).

The buoy shall have a ballast of 22.6kg (50lbs) internal counter-weight.

The buoy shall be filled with closed-cell polyurethane foam.

The buoy shall have a height of 1549mm (61 inches).

The buoy shall have a width of 254mm (10 inches)

The buoy shall have a mass of 34kg (75lbs).

The life expectancy of the buoy shall be up to 12 years.

**3.0 Options**

The buoy shall be offered with the following options available from the manufacturer:

* Custom signage
* Marine lanterns available from the manufacturer
* Vinyl wrap and reflective band

**4.0 Certifications**

The manufacturer shall be ISO9001:2008 certified.

The buoy shall meet IALA recommendation E-108 surface colours

**5.0 Warranty**

The buoy shall have a one (1) year warranty.